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## (54) FIRE RETARDANT POLYCARBONATE RESIN COMPOSITION AND LIGHT REFLECTING PLATE USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a fire retardant polycarbonate resin composition, improving a high reflectivity, light shielding property, heat-aging resistance, dust adhesion resistance, etc., without damaging a fire retardant property and mechanical physical properties, and to provide a light reflecting plate obtained by forming the same composition.

SOLUTION: This fire retardant polycarbonate resin composition contains (A) polycarbonate resin and (B) titanium oxide powder in a weight ratio of (A) to (B) of (70:30)-(90:10), and is blended with (C) 1-8 pt.wt. alkylbenzene sulfonic acid based static resistant agent, (D) 100-3,000 ppm wt. phosphorus-based antioxidant and (E) 0.01-5 pt.wt. organopolysiloxane containing alkoxy group based on (100 pts.wt.) total weight of the components (A) and (B), and also a light reflecting plate is produced by forming the above composition.

## LEGAL STATUS

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3. In the drawings, any words are not translated.

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CLAIMS

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[Claim(s)]

[Claim 1] (A) The fire-resistant polycarbonate resin constituent which contains polycarbonate resin and (B) titanium oxide powder at a rate of the weight ratios 70:30-90:10, and comes to blend (C) alkylbenzene-sulfonic-acid system antistatic-agent 1 - 8 weight (sections D) Lynn system antioxidant 100 3000 (weight ppm and E) alkoxy group content organopolysiloxane 0.01 - 5 weight sections based on the sum total weight (100 weight sections) of the above-mentioned (A) component and the (B) component.

[Claim 2] (A) The fire-resistant polycarbonate resin constituent according to claim 1 which uses (F) halogen non-containing phosphoric ester compound as the Lynn element further, and comes to carry out 0.05-1 weight section combination based on a total of 100 weight sections of a component and the (B) component.

[Claim 3] (A) The fire-resistant polycarbonate resin constituent according to claim 1 or 2 which comes to blend the polytetrafluoroethylene 0.01 which has (G) fibril organization potency further - 1 weight section based on a total of 100 weight sections of a component and the (B) component.

[Claim 4] (A) The fire-resistant polycarbonate resin constituent according to claim 1 to 3 which comes to blend the (H) light diffusion agent 0.05 - 5 weight sections further based on a total of 100 weight sections of a component and the (B) component.

[Claim 5] (A) The fire-resistant polycarbonate resin constituent according to claim 1 to 4 which comes to blend the (I) stilbene bis-benzo oxazole derivative 1 - the 1000 weight ppm further based on the sum total weight of a component and the (B) component.

[Claim 6] The beam-of-light reflecting plate which comes to fabricate a fire-resistant polycarbonate resin constituent according to claim 1 to 5.

[Claim 7] The beam-of-light reflecting plate according to claim 6 which is a reflecting plate for liquid crystal display back lights.

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[Translation done.]